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Spectroscope Lab

The spectrum of an excited chemical compounds is specific to its chemical composition, speed of movement, and direction the light is traveling in relation to us. In this lab, we will examine the spectra of different light sources and record their unique spectral patterns.

Procedure:

1. Pick a station and write down the light source. (It doesn't matter what order you choose to go in)
2. Observe the light source through your spectroscope to determine the type of spectrum (continuous or bright-line).
3. Draw the spectrum pattern in the box provided. Accurately fill in the different colors and brightness' seen.

CAUTION!!! DO NOT TOUCH THE POWER SOURCE OR TUBES AT ANY TIME. THE POWER SOURCE HAS HIGHVOLTAGE ELECTRICITY GOING THROUGH IT AND THE TUBES WILL GET HOT ENOUGH TO BURN YOU. WHEN LOOKING AT THE SUN DO NOT LOOK DIRECTLY AT IT!!!

Data:

Light Source	Spectrum Type	Spectrum Seen

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